Agilent 8960 Series 10
Wireless Communications Test Set

Test Application Upgrade Guide

Please Note:
This procedure is only used to upgrade an existing test application or to add a new test application.

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Agilent Technologies 8960 Series 10 Wireless Communications Test Set

Test Application Upgrade Guide

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Agilent Technologies

Downloading and Installing a Mobile Test Application & License

Last updated: September 25, 2000

Overview

The E19XX Test Application Upgrade License contains a Software License *Entitlement* Certificate to allow you to download a Test Application (TA) license from the Internet and install it into your Agilent 8960 Series 10 Wireless Communications Test Set. The corresponding E19XX installation kit contains a crossover LAN cable and two CD-ROMs: one containing the program and instrument software needed to download a TA into your instrument(s), and one containing the documentation that is current for that TA revision.

Use this procedure to download your license file from the Internet and to install the license and new TA into your test set. Refer to the Agilent Technologies 8960 File Utility's Help system and User's Guide on the CD-ROM for information on performing other TA management operations.

The general procedure to install a license uses the following steps:

"Step 1. Running the Agilent 8960 File Utility" on page 4.

"Step 2. Specifying Where to Store Licenses, TA Code, and Instrument Data" on page 6.

"Step 3. Downloading the Software License" on page 7.

"Step 4. Connecting the Test Set to the Computer Containing the CD-ROM & License File" on page 9.

"Step 5. Configuring LAN Connections Between the Test Set and the Computer" on page 10.

"Step 6. Testing Your LAN Connections" on page 13.

"Step 7. Downloading the TA Into Your Test Set" on page 16.

Computer Requirements

TA downloads can be performed using a computer connected directly to the test set or through a computer on a local area network (LAN). See "Recommended Methods for Maintaining Instrument TA Revisions, Licenses, and Test Set Data" on page 21 for the benefits of using each method.

The computer used to download the license and TA into the test set must have the following components:

- 10 Base-T, IEEE 802.3 compliant, ethernet network interface using TCP/IP protocol and configured to run in half-duplex mode.
- CD-ROM drive
- Windows®95, 98, 2000 or NT 4.0[1]
- At least 32 MB of RAM
- 30 MB of available hard drive space
- If this computer does not have Internet access, another computer with Internet access must be available to download the license file.

1. Windows 95, Windows 98, Windows 2000 and Windows NT 4.0 are U.S. registered trademarks of Microsoft Corporation.

Step 1. Running the Agilent 8960 File Utility

NOTE

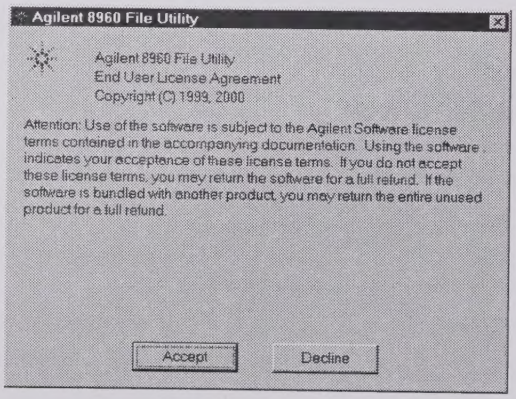
When using one computer to download the software license from the Internet, and another computer to transfer the license into the test set, you must run the File Utility in both computers *before* downloading the license in order to specify the directory paths on the **Options** screen.

Use the **Download License Files** function on the Internet-connected computer to download the license onto its floppy disk drive, and then copy the license file from that computer to the c:\8960_Data\Licenses directory in the computer connected to the test set.

Follow these steps to start using the software.

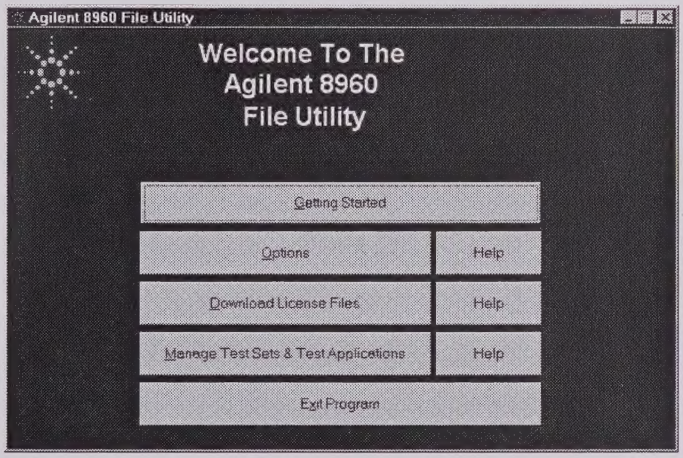
1. Insert the CD-ROM into the computer:
   a. If Autostart is enabled on your computer, the CD-ROM will start automatically and display the license screen (see Figure 1.).
   b. If the CD-ROM does not autostart within 30 seconds, you will need to manually run the file utility. To do this, run Windows Explorer and click on the CD-ROM drive icon to list the files. Double-click on the file, 8960_File_Utility.exe. The license screen is displayed (see Figure 1.).

Figure 1. End User License Agreement Screen


Agilent 8960 File Utility
Agilent 8960 File Utility
End User License Agreement
Copyright (C) 1999, 2000
Attention: Use of the software is subject to the Agilent Software license terms contained in the accompanying documentation. Using the software indicates your acceptance of these license terms. If you do not accept these license terms, you may return the software for a full refund. If the software is bundled with another product, you may return the entire unused product for a full refund.
Accept
Decline

2. Read the license and click on Accept to proceed, or click on Decline to exit the program. If you click on **Accept**, the Welcome screen is displayed. The Welcome screen accesses the following functions:

Figure 2. Welcome Screen



a. Getting Started - displays the on-line help screen specifying the basic equipment and connection requirements for downloading a new TA and software license into your test set.

b. Options - is used to specify the directory paths for storing instrument data files, test applications (TAs), and license files.

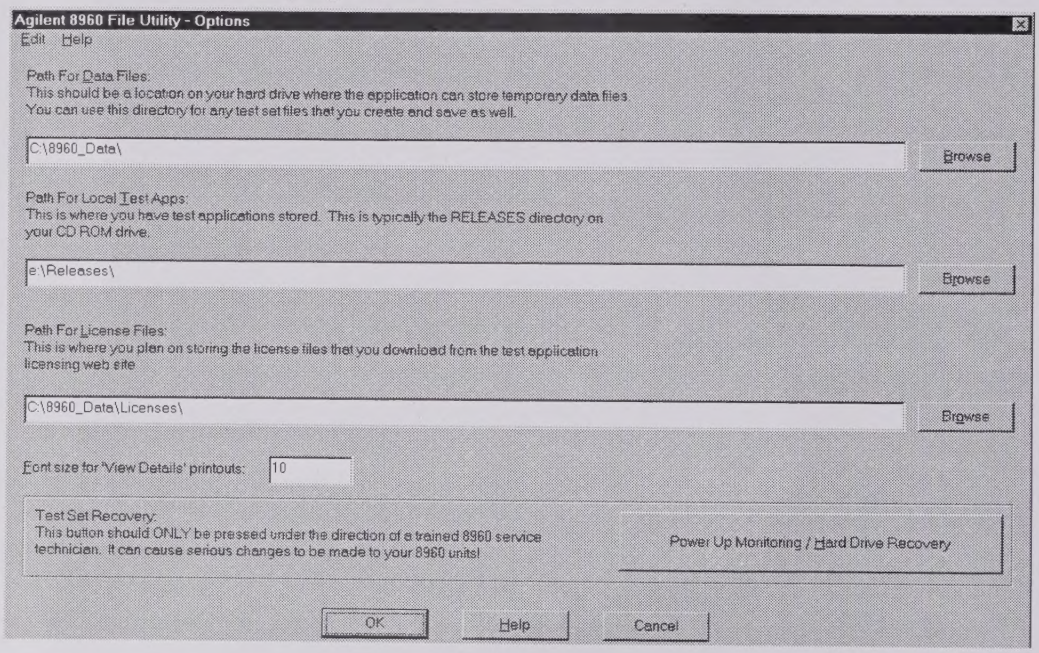
c. Download License Files - is used to access the Internet site where you redeem your license entitlement certificate and retrieve the software license for your instrument.

d. Manage Test Sets & Test Applications - is used to perform a number of functions that manage TAs, including: analyzing your test set to see what licenses and TAs exist.

Step 2. Specifying Where to Store Licenses, TA Code, and Instrument Data

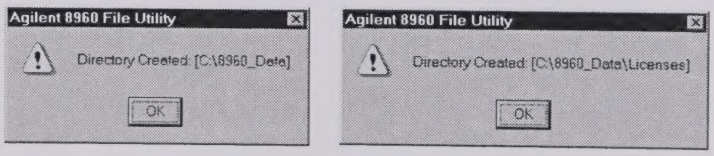
1. Click on the Options field on the Welcome screen (see "Welcome Screen" on page 5) to display the File Utility Options Screen.

Figure 3. File Utility Options Screen


Agilent 8960 File Utility - Options
Edit Help
Path For Data Files:
This should be a location on your hard drive where the application can store temporary data files.
You can use this directory for any test set files that you create and save as well.
C:\8960_Data\
Browse
Path For Local Test Apps:
This is where you have test applications stored. This is typically the RELEASES directory on your CD ROM drive.
e:\Releases\
Browse
Path For License Files:
This is where you plan on storing the license files that you download from the test application licensing web site
C:\8960_Data\Licenses\
Browse
Font size for 'View Details' printouts:
10
Test Set Recovery:
This button should ONLY be pressed under the direction of a trained 8960 service technician. It can cause serious changes to be made to your 8960 units!
Power Up Monitoring / Hard Drive Recovery
OK
Help
Cancel

2. Read the descriptions for the three data paths (directories) and change their values if necessary. If you are using different computers to download the license from the Internet and install it into the test set, be sure to write down where the license will be saved on the computer connected to the Internet; you will need to transfer the license file to the computer connected to the test set for downloading later on.
3. Click **OK** to proceed. The software creates the directory paths and displays messages to inform you the first time you run the File Utility (see Figure 4.). If the File Utility is run again on the same computer, these messages will not appear (since you have already created the directory paths).

Figure 4. Confirmation of Directories Created by the File Utility



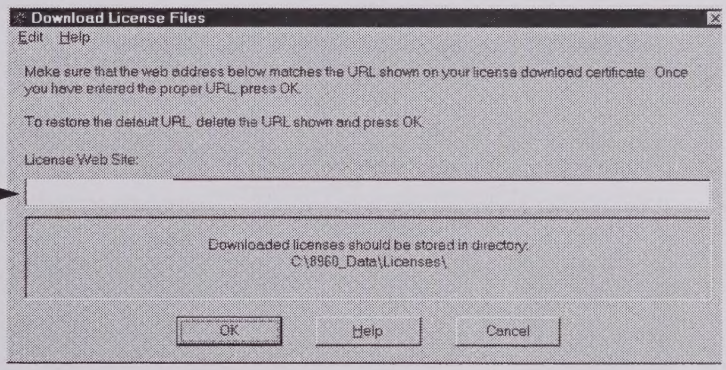
4. Click **OK** for each message. You are then returned to the Welcome screen.

Step 3. Downloading the Software License

Before proceeding, you must have your Software License Entitlement Certificate available and the serial number of the instrument you are going download the new TA in to. Press the **SYSTEM CONFIG** key on the test set to display the test set's serial number.

1. On the Welcome screen, click on Download License Files. Enter the Software License Manger Web site address shown on your Software License Entitlement Certificate.

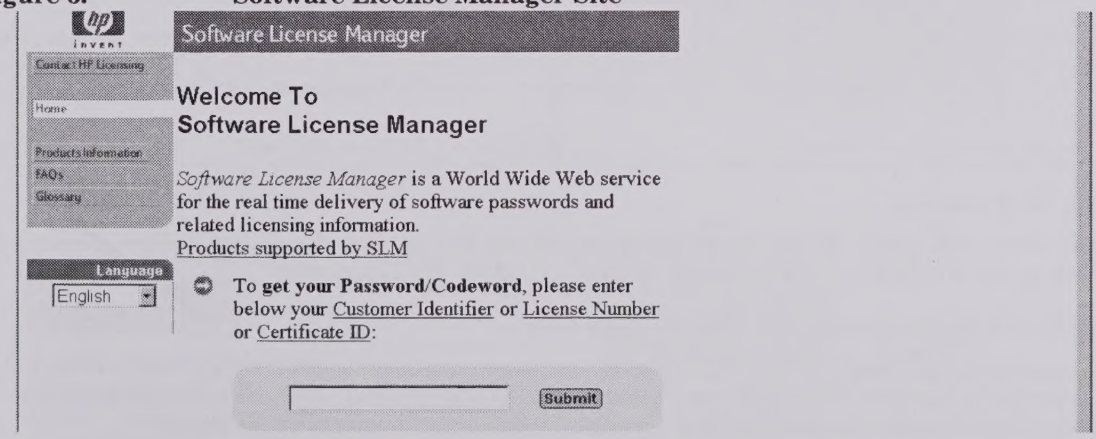
Figure 5. Specifying the Internet Address for the Software License Manager Site


Download License Files
Edit Help
Make sure that the web address below matches the URL shown on your license download certificate. Once you have entered the proper URL, press OK.
To restore the default URL, delete the URL shown and press OK.
License Web Site:
Downloaded licenses should be stored in directory:
C:\8960_Data\Licenses\
OK
Help
Cancel

Enter the Software License Manger Web site address shown on your Software License Entitlement Certificate.

2. Click on OK. Your Internet browser is launched automatically and the Software License Manager site is accessed.
3. Enter the **License Number** from your Software License (Entitlement) Certificate and click on **Submit**. If your license number is valid, another screen is displayed that asks for information needed to generate the license. If the license number is not determined to be valid, follow the directions on the screen to resolve the problem.

Figure 6. Software License Manager Site


Software License Manager
Contact HP Licensing
Home
Products Information
FAQs
Glossary
Language
English
Welcome To
Software License Manager
Software License Manager is a World Wide Web service for the real time delivery of software passwords and related licensing information.
Products supported by SLM
To get your Password/Codeword, please enter below your Customer Identifier or License Number or Certificate ID:
Submit

To redeem your *Software License Entitlement Certificate* - you need to enter the user information asked for

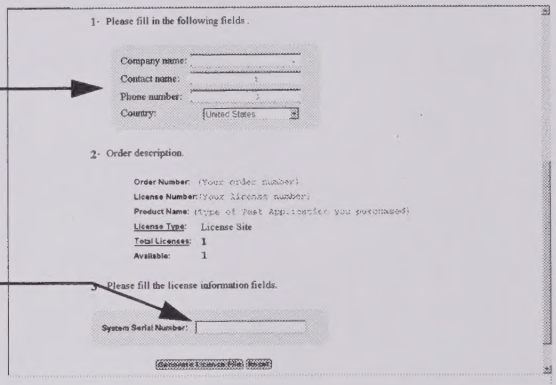
in step **1** on the web page (see Figure 7.). The information for step **2** is automatically filled in, and will be used in generating the license.

4. Enter the serial number (Step **3**). ***Be sure to use upper-case (capital) letters when entering the serial number.***

Figure 7. Information Required When Using a Software License Entitlement Certificate

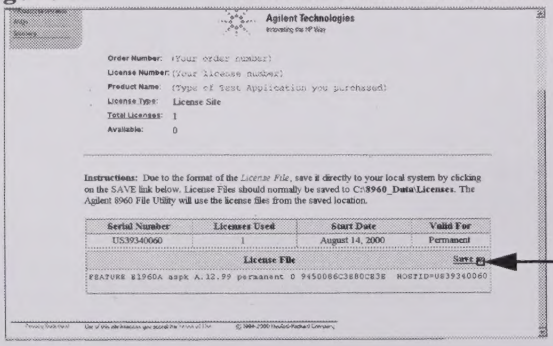
Enter your **Company Name**, a **Company Contact** who can be called (if necessary) regarding your license, a **Phone Number** where the contact can be reached, and the **Country** where the contact is located.

Enter your instrument's serial number. Be sure to use upper-case letters (such as US12345678).



5. Click on **Generate License File**. The license file is generated and a screen is displayed confirming your license acceptance.

Figure 8. License Confirmation Screen


Agilent Technologies
Order Number: (Your order number)
License Number: (Your license number)
Product Name: (Type of Test Application you purchased)
License Type: License Site
Total Licenses: 1
Available: 0
Instructions: Due to the format of the License File, save it directly to your local system by clicking on the SAVE link below. License Files should normally be saved to C:\8960_Data\Licenses. The Agilent 8960 File Utility will use the license files from the saved location.
Serial Number
Licenses Used
Start Date
Valid For
US39340060
1
August 14, 2000
Permanent
License File
Save
FEATURE 81960A aspk A.12.99 permanent 0 9450086C3B80C83E HOSTID=US39340060

Click here to save your license.

Saving Your License

Click on **Save,** and specify the directory path for saving the license. This should be the same directory you specified on the File Utility Options Screen; typically C:\8960_Data\Licenses.

Creating and Saving Additional Test Set Licenses

When upgrading more than one test set, repeat the sequence to redeem your other license(s) and save them for each instrument. Start by clicking on your web browser's **BACK** function until you return to the initial Software License Manger screen (Figure 6. on page 7), and enter the next license number.

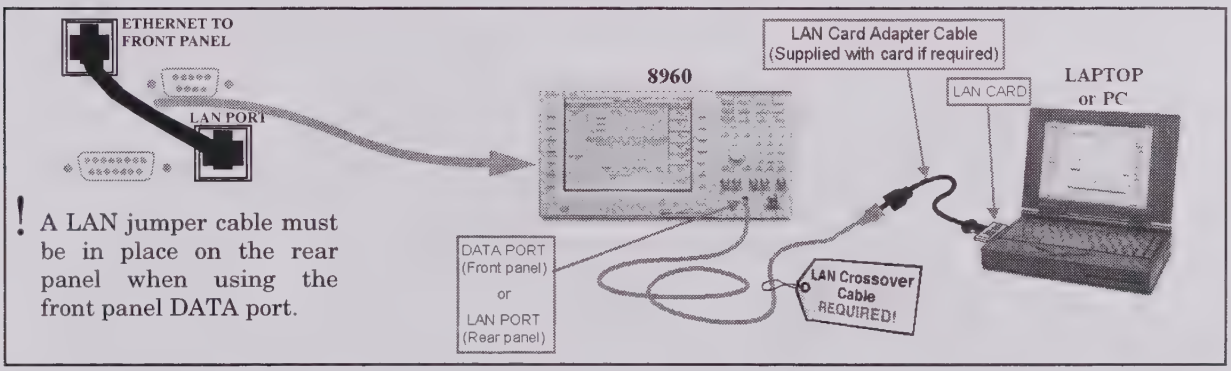
Step 4. Connecting the Test Set to the Computer Containing the CD-ROM & License File

The test set can be connected directly to a computer (Method 1), or be connected via a local area network (LAN) to a computer (Method 2), while running the *Agilent 8960 File Utility* program.

Using Direct Computer to Test Set Connections (Method 1)

1. Connect the computer to the test set using the cross-over LAN cable included with the TA installation kit (PN 8121-0510) and your computer's LAN adapter cable (if needed). You can connect to either the test set's front panel DATA port or to the rear panel LAN PORT.
2. If you use the test set's front panel DATA port, a standard LAN cable must be connected between the rear panel ETHERNET TO FRONT PANEL and LAN PORT connectors. (The test set is shipped with a suitable LAN jumper cable already in place.)

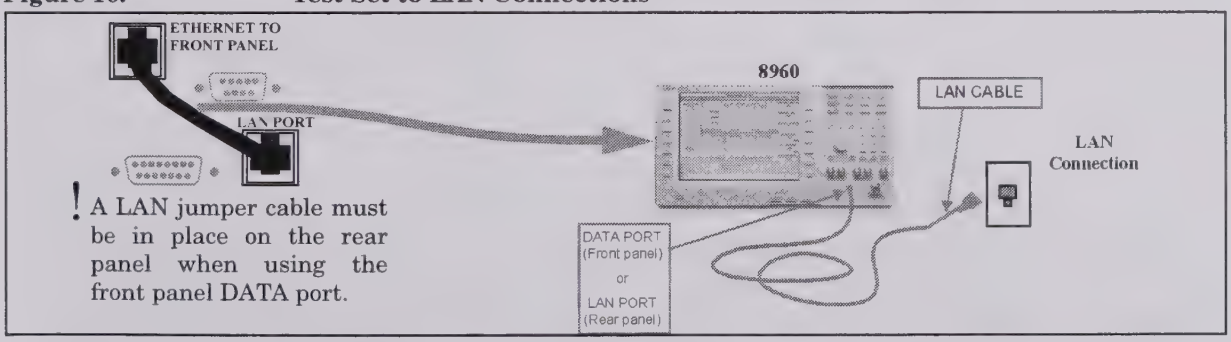
Figure 9. Test Set to Computer - Direct Connections


ETHERNET TO FRONT PANEL
LAN PORT
A LAN jumper cable must be in place on the rear panel when using the front panel DATA port.
8960
LAN Card Adapter Cable (Supplied with card if required)
LAN CARD
LAPTOP or PC
DATA PORT (Front panel) or LAN PORT (Rear panel)
LAN Crossover Cable REQUIRED!

Using an Existing LAN to Connect to the Test Set (Method 2)

1. Connect the test set's front panel DATA port or rear panel LAN PORT to your network LAN connection.
2. If you use the test set's front panel DATA port, a standard LAN cable must be connected between the rear panel ETHERNET TO FRONT PANEL and LAN PORT connectors. (The test set is shipped with a suitable LAN jumper cable already in place.)

Figure 10. Test Set to LAN Connections


ETHERNET TO FRONT PANEL
LAN PORT
A LAN jumper cable must be in place on the rear panel when using the front panel DATA port.
8960
LAN CABLE
LAN Connection
DATA PORT (Front panel) or LAN PORT (Rear panel)

Step 5. Configuring LAN Connections Between the Test Set and the Computer

Test Applications (TAs) and licenses can only be downloaded into the test set via the test set's LAN connection. To do this, the LAN IP Address and Subnet Mask of the test set and the computer's LAN card must be set to communicate with each other.

Hardware Connections

The test set and computer running the 8960 File Utility program must be connected directly or connected on the same LAN. This was done in "Step 4. Connecting the Test Set to the Computer Containing the CD-ROM & License File" on page 9.

Configuring the LAN Settings

When working with multiple test sets, configure the computer's LAN settings once, then modify the LAN settings for each test set as needed to work with the computer's settings.

General Guidelines The following guidelines must be followed when configuring LAN settings:

- Perform the configuration in the following order:
  1. Configure the computer's LAN settings.
  2. Restart Windows on the computer to start using the new LAN configuration.
  3. Configure the test set's LAN settings to work with the computer's settings. (It is important that the computer be configured and re-started *before* configuring the test set's LAN settings.)
  4. Turn the test set off and back on to make sure it finds the computer's newly-configured LAN card on power up.
- It is highly recommended that the Subnet Mask be set to **255.255.248.0** for the test set *and* the computer when using a direct computer-to-test set connection.
- The *first three groups* of numbers for the LAN IP Address of the test set and the computer must match. Example; if the test set's LAN IP Address is set to 130.29.189.33, the computer's LAN IP address must begin with 130.29.189. The number in the fourth group of digits must NOT match (such as setting the computer to LAN IP Address 130.29.189.37). The last entry in the IP Address must **not** be >254 or 0 (xxx.xxx.xxx.255 or xxx.xxx.xxx.0).

Changing the LAN Setting on Your Computer

Network configuration procedures vary between operating systems. You may have to refer to your computer's help system, or your LAN adapter card's documentation, for assistance.

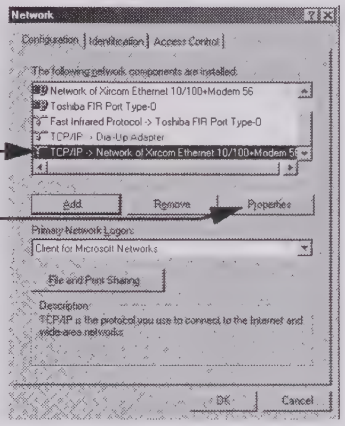
Perform the following steps to alter the network settings for most PCs using an MS Windows operating system:

1. Double-click on the **My Computer** icon on the Desk Top.
2. Double-click on the **Control Panel** icon.
3. Double-click on the **Network** icon.
4. Select the **TCP/IP->** [your ethernet network adapter] from the list of components (see Figure 11. on page 11).
5. Select **Properties**.

Figure 11. Accessing Your Ethernet Card TCP/IP Settings

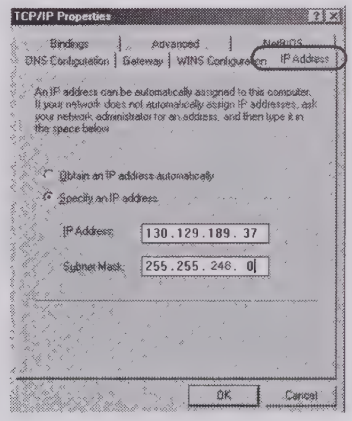
Select the entry for your Ethernet Network adapter (*not* your TCP/IP Dial-Up Adapter settings) then...

select **Properties** to list the TCP/IP settings for your adapter.



6. Select the **IP Address** tab on the TCP/IP Properties screen.

Figure 12. Selecting the TCP/IP Settings



7. Select **Specify an IP Address**.
8. Enter the IP Address (go back to "Configuring the LAN Settings" on page 10, if necessary, to review the guidelines).

NOTE

The last entry in the IP Address must not be >254 or 0 (xxx.xxx.xxx.255 or xxx.xxx.xxx.0).

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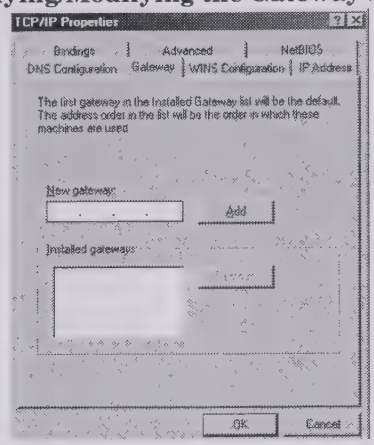
9. Enter the **Subnet Mask** (255.255.248.0).
10. Select the **Gateway** tab.
11. If present, remove any existing gateway setting.

Figure 13. Verifying/Modifying the Gateway Setting



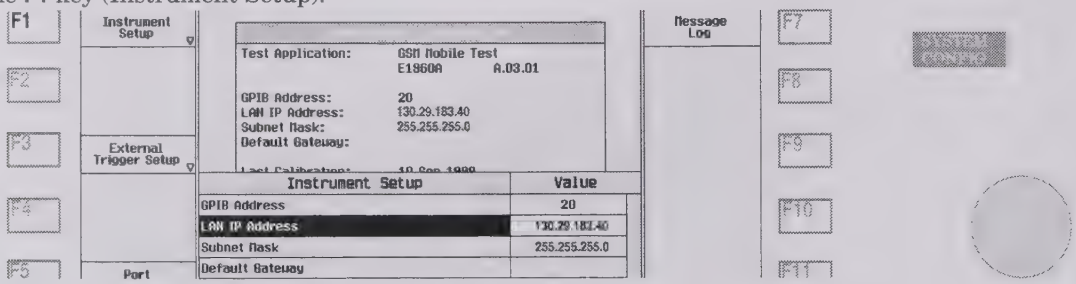
12.Click **OK** to exit the TCP/IP Properties screen.

13.Click **OK** to exit the Network screen.

14.Restart Windows to start using the new LAN settings.

Changing the LAN Settings on the Test Set

1. Press the **SYSTEM CONFIG** key on the test set.
2. Press the **F1** key (Instrument Setup).



3. Turn the knob to highlight the setting you want to change.

NOTE

Changing the LAN IP Address may alter the Subnet Mask setting. Therefore, change the LAN IP Address first, then change the Subnet Mask. Also, The last entry in the IP Address must not be >254 or 0 (xxx.xxx.xxx.255 or xxx.xxx.xxx.0).

---

4. Press the knob to select the setting.
5. Enter the new value using the keypad, and press the knob to complete the setting.
6. Turn the test set off and back on to start using the new settings.

Step 6. Testing Your LAN Connections

Follow this procedure to verify that the test set and the computer can communicate with each other using the LAN. If the test set has not been turned off and back on *after configuring the computer*, turn the test set off and back on now before proceeding. The test set will then look for the computer's LAN card when powering on.

NOTE

If you connected to the Internet using the same computer you will use to download the license into the test set, the license file should already be stored on that computer at this point. Unless you changed the default directory path on the Options screen, the license was stored in C:\8960_Data\licenses.

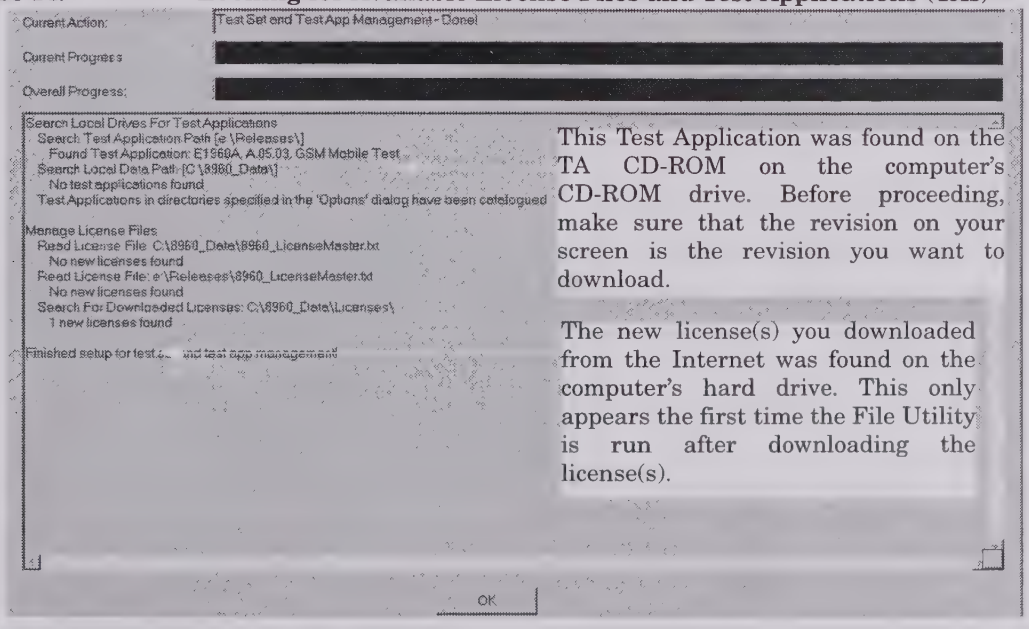
If you used a different computer to download the license off of the Internet than you will use to download the license into your test set, you must copy the license into the C:\8960_Data\Licenses directory of the computer connected to the test set before proceeding.

---

1. Select the **Manage Test Sets and Test Applications** function on the 8960 File Utility Welcome screen (see Figure 2. on page 5). The File Utility software looks for licenses and TAs installed on your computer by searching the directories specified on the File Utility's Options screen.

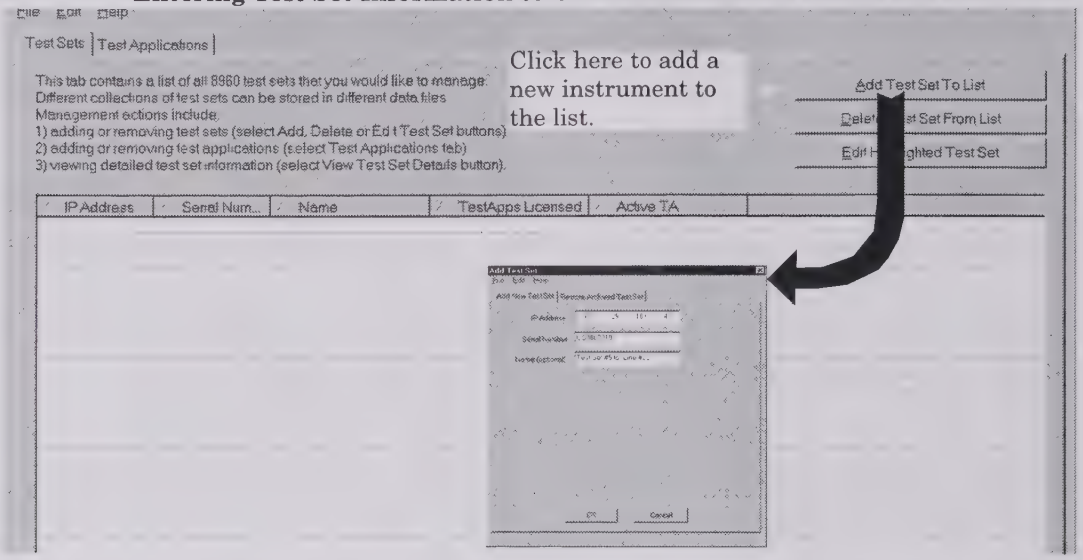
   The example below shows that the software found the new TA on the CD-ROM, but did not see any new TAs in the c:\8960_Data directory (because you haven't copied the TA from the CD-ROM to this directory).

Figure 14. Looking for Available License Files and Test Applications (TAs)


Current Action:
Test Set and Test App Management - Done!
Current Progress:
Overall Progress:
Search Local Drives For Test Applications
Search: Test Application Path [e:\Releases\]
Found Test Application: E1960A, A.05.03, GSM Mobile Test
Search Local Data Path: [C:\8960_Data\]
No test applications found
Test Applications in directories specified in the 'Options' dialog have been catalogued
Manage License Files
Read License File: C:\8960_Data\8960_LicenseMaster.txt
No new licenses found
Read License File: e:\Releases\8960_LicenseMaster.txt
No new licenses found
Search For Downloaded Licenses: C:\8960_Data\Licenses\
1 new licenses found
Finished setup for test ... and test app management
This Test Application was found on the TA CD-ROM on the computer's CD-ROM drive. Before proceeding, make sure that the revision on your screen is the revision you want to download.
The new license(s) you downloaded from the Internet was found on the computer's hard drive. This only appears the first time the File Utility is run after downloading the license(s).
OK

2. Click **OK** when the software is finished looking up all licenses and TAs. A new screen appears that allows you to check LAN connections and manipulate TA and license files for individual test sets.

Figure 15. Entering Test Set Information to Check Connections and Save Files


Test Sets
Test Applications
This tab contains a list of all 8960 test sets that you would like to manage.
Different collections of test sets can be stored in different data files.
Management actions include:
1) adding or removing test sets (select Add, Delete or Edit Test Set buttons).
2) adding or removing test applications (select Test Applications tab)
3) viewing detailed test set information (select View Test Set Details button).
Click here to add a new instrument to the list.
Add Test Set To List
IP Address
Serial Num...
Name
TestApps Licensed
Active TA

3. Click on the **Add Test Set to List** function. A new screen appears asking for information to add one test set to the list of test sets.
4. Enter the Test Set's LAN IP Address, Serial Number, and an instrument name (optional), and click OK. The test set is added to the test set list.
5. Select the test set to test connections to by clicking on its IP Address.
6. Click on the **Check Connections** function. A screen appears asking if you want to check connections to a specific IP Address. Select **OK**. The File Utility looks for your instrument at the designated LAN IP address, then lists all of the software licenses and TAs found on the test set (see Figure 17. on page 15). If a new license has been placed in the c:\8960_Data\Licenses directory, this license is also downloaded into the instrument at this time. This process can take several seconds, depending on how many TAs are installed.

Figure 16. Checking for Connections

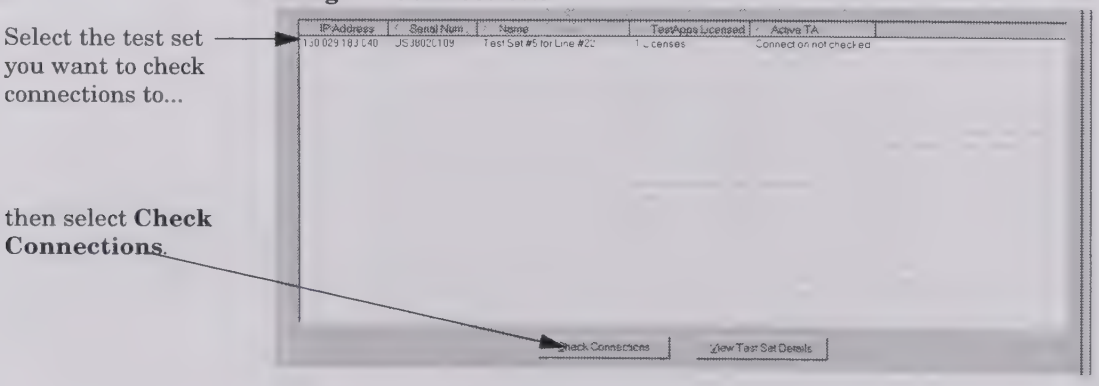
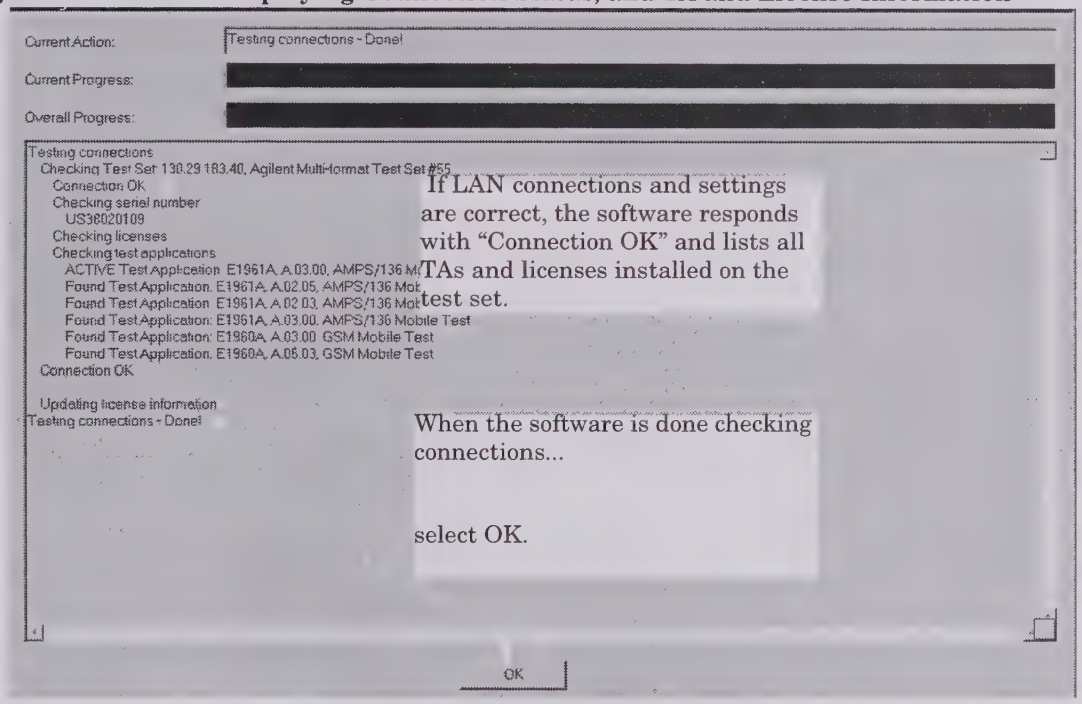
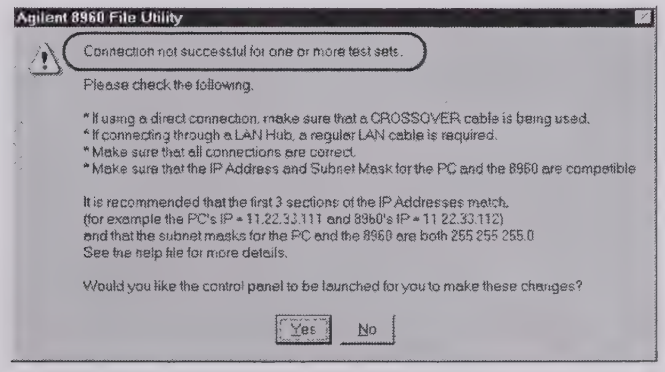


Figure 17. Displaying Connection Status, and TA and License Information


Current Action:
Testing connections - Done!
Current Progress:
Overall Progress:
Testing connections
Checking Test Set 130.29.183.40, Agilent MultiFormat Test Set #55
Connection OK
Checking serial number
US36020109
Checking licenses
Checking test applications
ACTIVE Test Application: E1961A, A.03.00, AMPS/136 M
Found Test Application: E1961A, A.02.05, AMPS/136 Mot
Found Test Application: E1961A, A.02.03, AMPS/136 Mot
Found Test Application: E1961A, A.03.00, AMPS/136 Mobile Test
Found Test Application: E1960A, A.03.00, GSM Mobile Test
Found Test Application: E1960A, A.05.03, GSM Mobile Test
Connection OK
Updating license information
Testing connections - Done!
If LAN connections and settings are correct, the software responds with "Connection OK" and lists all TAs and licenses installed on the test set.
When the software is done checking connections...
select OK.
OK

7. Click **OK** when "Testing Connections - Done" is displayed at the end of the license and TA listing.
8. If "Connection not successful for one or more tests" is displayed, refer to "Troubleshooting" on page 19.

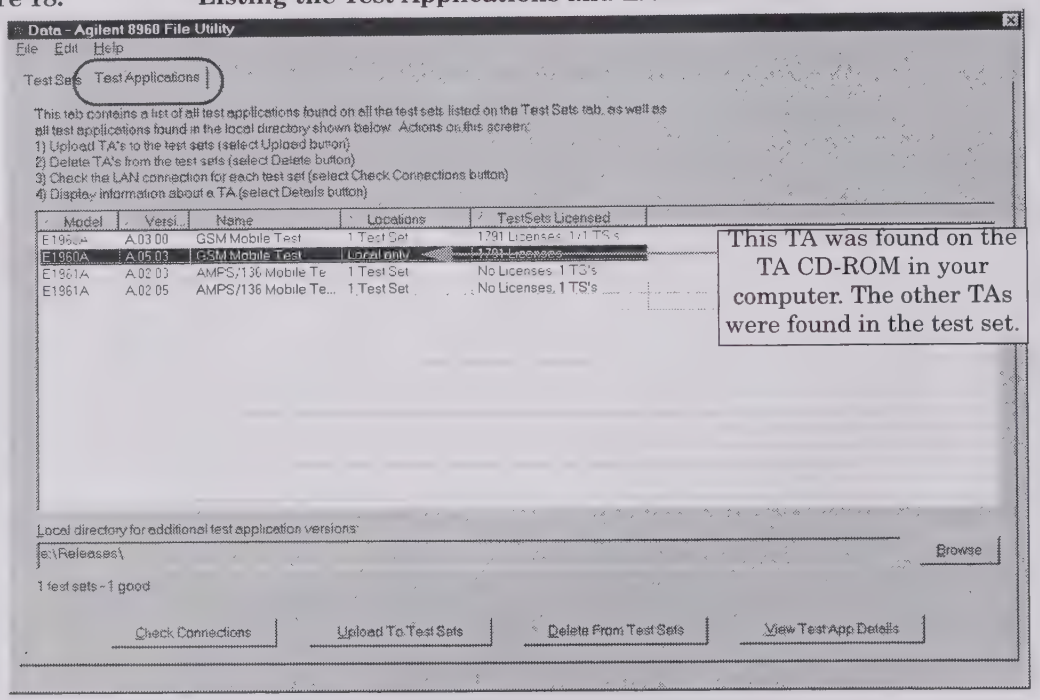

Agilent 8960 File Utility
Connection not successful for one or more test sets.
Please check the following.
* If using a direct connection, make sure that a CROSSOVER cable is being used.
* If connecting through a LAN Hub, a regular LAN cable is required.
* Make sure that all connections are correct.
* Make sure that the IP Address and Subnet Mask for the PC and the 8960 are compatible
It is recommended that the first 3 sections of the IP Addresses match,
(for example the PC's IP = 11.22.33.111 and 8960's IP = 11.22.33.112)
and that the subnet masks for the PC and the 8960 are both 255.255.255.0
See the help file for more details.
Would you like the control panel to be launched for you to make these changes?
Yes
No

Step 7. Downloading the TA Into Your Test Set

This step assumes you have just used the previous procedure to verify that the LAN connection works correctly between your test set and your computer. That step not only verified the LAN connection, but also catalogued the contents of the test set's hard drive and downloaded the new license, allowing you to select and install a new TA.

1. Click on the **Test Applications** tab to list all of the TAs and licenses found.

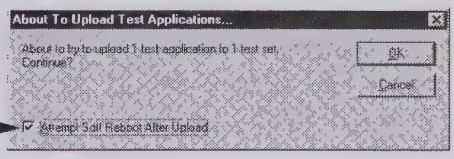
Figure 18. Listing the Test Applications and Licenses Found


Data - Agilent 8960 File Utility
File Edit Help
Test Sets
Test Applications
This tab contains a list of all test applications found on all the test sets listed on the Test Sets tab, as well as all test applications found in the local directory shown below. Actions on this screen:
1) Upload TA's to the test sets (select Upload button)
2) Delete TA's from the test sets (select Delete button)
3) Check the LAN connection for each test set (select Check Connections button)
4) Display information about a TA (select Details button)
Model
Versi...
Name
Locations
TestSets Licensed
E1960A
A.03.00
GSM Mobile Test
1 Test Set
1791 Licenses, 1/1 TS's
E1960A
A.05.03
GSM Mobile Test
Local only
1791 Licenses
E1961A
A.02.03
AMPS/136 Mobile Te
1 Test Set
No Licenses, 1 TS's
E1961A
A.02.05
AMPS/136 Mobile Te...
1 Test Set
No Licenses, 1 TS's
This TA was found on the TA CD-ROM in your computer. The other TAs were found in the test set.
Local directory for additional test application versions:
e:\Releases\
Browse
1 test sets - 1 good
Check Connections
Upload To Test Sets
Delete From Test Sets
View Test App Details

2. In the "**Locations**" column, select the entry that says "Local Only". Local Only means that this particular TA was only found on the computer's CD-ROM drive; not in the test set. (See Figure 18. on page 16.)
3. View the entries in the "Model", "Version", and "Name" columns (for the "Local Only" selection) to verify that this is the TA that you want to load into your test set.
4. Select the **Upload to Test Sets** function. A box appears that asks if you want to continue to load the new TA into your test set.

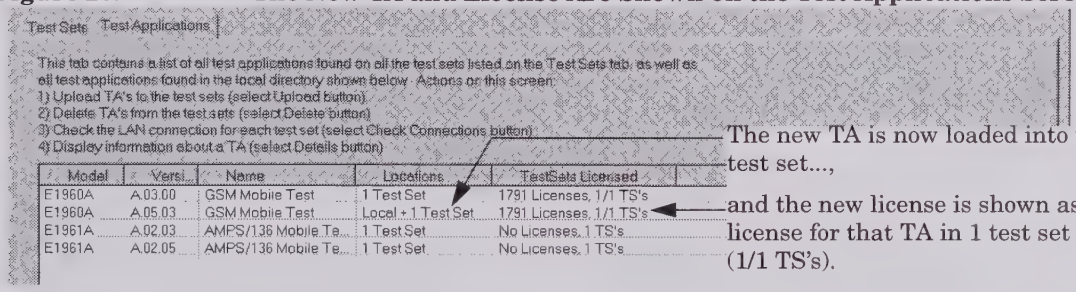
5. Before proceeding with installing the TA, click the check box in the window where it says "**Attempt Soft Reboot After Upload**". This causes the File Utility software to automatically re-boot the test set after the new TA has been installed.

Figure 19. Selecting Automatic Reboot After Downloading


About To Upload Test Applications...
About to try to upload 1 test application to 1 test set.
Continue?
OK
Cancel
Attempt Soft Reboot After Upload
Click in the box next to "Attempt Soft Reboot After Upload" to check the box.

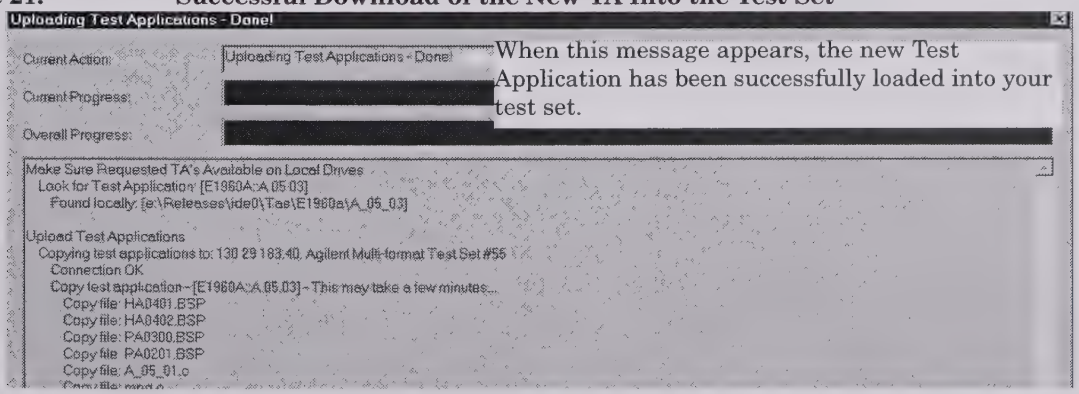
6. Select **OK** to continue to install the new TA in your test set.
7. The software loads the new TA into the test set. When "Uploading Test Applications - Done" appears at the top of the screen, click on **OK** to return to the Test Applications screen (see Figure 20.).
8. The software takes a few seconds to re-read the test applications and licenses on the test set. The new TA is now shown to be on the computer's CD-ROM drive and in the test set (Local + 1 Test Set), and one license has been downloaded for this one test set (1/1 TS's).

Figure 20. The New TA and License Are Shown on the Test Applications Screen


Test Sets
Test Applications
This tab contains a list of all test applications found on all the test sets listed on the Test Sets tab, as well as all test applications found in the local directory shown below. Actions on this screen:
1) Upload TA's to the test sets (select Upload button)
2) Delete TA's from the test sets (select Delete button)
3) Check the LAN connection for each test set (select Check Connections button)
4) Display information about a TA (select Details button)
Model
Versi...
Name
Locations
TestSets Licensed
E1960A A.03.00 GSM Mobile Test 1 Test Set 1791 Licenses, 1/1 TS's
E1960A A.05.03 GSM Mobile Test Local + 1 Test Set 1791 Licenses, 1/1 TS's
E1961A A.02.03 AMPS/136 Mobile Te... 1 Test Set No Licenses, 1 TS's
E1961A A.02.05 AMPS/136 Mobile Te... 1 Test Set No Licenses, 1 TS's
The new TA is now loaded into the test set...,
and the new license is shown as 1 license for that TA in 1 test set (1/1 TS's).

9. When the download is complete, the test set should automatically be re-booted. If the software indicates that the download is complete, but the test set does not re-boot, turn the test set's power off for a few seconds and then turn it back on to start using the new TA.

Figure 21. Successful Download of the New TA Into the Test Set


Uploading Test Applications - Done!
Current Action:
Uploading Test Applications - Done!
Current Progress:
Overall Progress:
Make Sure Requested TA's Available on Local Drives
Look for Test Application: [E1960A:A.05.03]
Found locally: [e:\Releases\ide0\Tas\E1960a\A_05_03]
Upload Test Applications
Copying test applications to: 130.29.183.40, Agilent Multi-format Test Set #55
Connection OK
Copy test application - [E1960A:A.05.03] - This may take a few minutes...
Copy file: HA0401.BSP
Copy file: HA0402.BSP
Copy file: PA0300.BSP
Copy file: PA0201.BSP
Copy file: A_05_01.c
When this message appears, the new Test Application has been successfully loaded into your test set.

10. You are done installing the new TA and its associated license.

NOTE

Before downloading another TA into a different test set, exit and re-start the File Utility. This helps ensure that the previous test set's LAN settings are not used as the default when connecting to a different test set.

Troubleshooting

The File Utility Software Couldn't Connect to My Test Set

"**Connection not successful for one or more test sets**" is displayed.

1. Verify that you correctly entered the test set's IP Address and Serial Number before checking the connection (shown in Figure 15. on page 14).
2. Changes to your computer's network configuration are not in effect. Restart Windows on your computer and wait until all hard drive activity has stopped, then turn the test set off and back on. Re-run the File Utility software to connect to the test set.
3. Verify that your hardware connections are correct.
   a. If you are connecting directly from the test set to the computer, you must use a crossover LAN cable - a standard LAN cable will not work.
   b. When connecting to the test set's front panel DATA port, a LAN jumper cable must be connected on the test set's rear panel between the (as shown in Figure 9. on page 9).
   c. If you are connecting to the test set over a LAN, use a standard LAN cable to connect to your network - a crossover cable will not work.
4. Verify that your network TCP/IP settings are compatible.
   a. If you changed the test set's Subnet Mask value before setting the LAN IP Address, the test set may have altered the Subnet Mask setting when the LANIP Address was entered. See "Configuring the LAN Settings" on page 10.
   b. If you are attempting to use your existing network's TCP/IP settings, they may not work with the test set. Contact your local LAN manager to determine if one or more settings conflict with your LAN's configuration.
5. Verify that your computer's network adapter is compatible with the test set. Testing has shown that a 10 Base-T, IEEE 802.3 compliant, ethernet network interface using TCP/IP protocol and configured to run in half-duplex mode will reliably connect to the test set. If you are using some other type of network card, make sure it is configured to operate in this mode.

The Test Set Does Not Power Up Correctly

The TA downloading process could have been interrupted, corrupting the test set's hard drive.

The **Power Up Monitoring/Hard Drive Recovery** function in the software may be used to recover from this situation. Details on performing this operation are located in the Help function when running the File Utility. With the File Utility running, select **Help -> Help Topics -> Running the Software -> Power Up Monitoring/Hard Drive Recovery**.

CAUTION

This procedure is meant to be used by service personnel who have attended Agilent 8960 service training. Do not try using the Power Up Monitoring/Hard Drive Recovery function before obtaining the necessary training - loss of data on your test set' hard drive can result. If you have not received the proper training, contact your local Agilent Field Sales Engineer or Service Center for assistance.

The Test Application Does Not Operate Correctly

This can occur if the hardware in the test set does not match the currently-selected TA revision. This may happen when an older version of TA is downloaded into a newer test set, or when downloading a newer version of TA into a test set without adding the required hardware. To remedy this problem, download the correct TA revision into the test set, or re-install the previous version of TA that worked properly and contact your local Agilent Field Sales Engineer or Service Center for assistance.

For the latest information about TA revisions, go to the Agilent Technologies 8960 Family Support Site at www.agilent.com/find/8960support.

Recommended Methods for Maintaining Instrument TA Revisions, Licenses, and Test Set Data

To help streamline the TA downloading process, and to keep track of individual test set data, we recommend using the following computer/LAN configurations:

1. LAN Method - Connect all of your test sets to a LAN that is accessed by a computer that also has Internet access. This can be a LAN that is connected throughout your facility connecting several computers and test sets, or one that is set up specifically to maintain your test set's licenses and TA revisions. This can significantly reduce the time needed to download the TA into several test sets for the following reasons:
   a. You can download all licenses at one time from the Internet, and not have to copy license files to another computer to download them into the test set.
   b. Once the IP Address and Subnet Mask are set for each test set, the computer can download the new TA into each test set from a single LAN connection.
   c. Greater control over the download process when several test sets must be updated by more than one person.
   d. You can store all of the instrument data files on the hard drive of one PC, keeping the information in one convenient place for future reference.
2. Direct Connection Method - If a LAN is not used, use one computer with Internet access to perform all downloads. This has several benefits -
   a. You can download all licenses at one time from the Internet, and not have to copy license files to another computer to download them into the test set.
   b. Once your LAN settings are configured on your computer and are working with one test set, you only need to physically connect to each test set and change its IP Address and Subnet Mask to perform the download. This eliminates having to change the network configuration settings on more than one computer.

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